

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

1731  
#3

Applicants: CHRISTOPH KLEINLOGEL Docket No.: 00-725  
ET AL.

Serial No.: 09/764,031

Examiner :

Filed : January 17, 2001

Art Unit :

1760

For : PROCESS FOR THE PRODUCTION OF  
SINTERED CERAMIC OXIDE

900 Chapel Street  
Suite 1201  
New Haven, CT 06510-2802

INFORMATION DISCLOSURE STATEMENT

Hon. Commissioner of Patents and Trademarks  
United States Patent & Trademark Office  
Washington, D.C. 20231

Dear Sir:

In accordance with the requirements of 37 C.F.R. 1.97 and 1.98, Applicants hereby submit the prior art documents listed hereinbelow, copies enclosed, which prior art was cited in the corresponding European Search Report.

- (1) International Publication No. WO91/09430, published June 27, 1991. This references relates to solid electrolyte fuel cells and electrolytic cells and more particularly, to electrolyte compositions for use in solid electrolyte fuel cells and electrolytic cells.

RECEIVED  
MAY 14 2001  
TC 1700 MAIL ROOM

- (2) SOLID STATE IONICS, Bd. 106, Nr. 3-4, February 1, 1998, Pages 263-268 - Title: SINTERING BEHAVIORS OF CERIA AND GADOLINIA-DOPED CERIA, By Hideaki Inaba et al. This reference teaches that sintering behaviors of ceria powders with large and fine particle size and gadolinia-doped ceria powders with a fine particle size have been studied by measuring density and grain size as a function of sintering time.
- (3) JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, Bd. 16, Nr. 9, 1996, Pages 961-973 - Title: SINTERING BEHAVIOR AND IONIC CONDUCTIVITY OF YTTRIA-DOPED CERIA, By Jan Van Herle et al. This reference teaches that highly sinterable yttria-doped ceria powder was fabricated by an optimized coprecipitation route.
- (4) JOURNAL OF THE AMERICAN CERAMIC SOCIETY, Bd. 65, No. 12, December, 1982 - Title: PROPERTIES OF THE SOLID ELECTROLYTE GADOLINIA-DOPED CERIA PREPARED BY THERMAL DECOMPOSITION OF MIXED CERIUM-GADOLINIUM OXALATE, By A. Overs et al. This reference teaches that fine-grained powder of the mixed oxide, which is an ionic conductor for

oxygen ions, was prepared by coprecipitation of the corresponding oxalates followed by calcination.

- (5) JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, Bd. 15, Nr. 10, January 1, 1995 - Title: EFFECT OF SOLID SOLUTION ADDITIVES ON THE SINTERING OF ULTRA-FINE  $\text{CeO}_2$  POWDERS, By M.N. Rahaman et al. This reference teaches that ultra-fine  $\text{CeO}_2$  powders containing up to 20 at % of various divalent and trivalent cations were prepared by chemical precipitation under hydrothermal conditions.

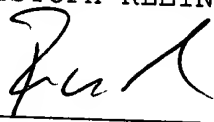
The undersigned submits the above-identified references for independent consideration by the Examiner and does not make any admission that these references are or are not material to the present invention or that these references are or are not prior art with respect to the present invention.

If any charges are required in connection with this submission, it is requested that they be charged to Deposit Account No. 02-0184.

Respectfully submitted,

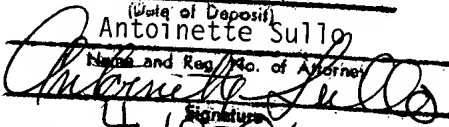
CHRISTOPH KLEINLOGEL ET AL.

By

  
Robert H. Bachman  
Attorney for Applicants

Area Code: 203  
Telephone: 777-6628  
Telefax : 865-0297

Date: April 10, 2001

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231  
on April 10, 2001  
(Date of Deposit)  
Antoinette Sully  
Name and Reg. No. of Attorney  
  
4-10-01  
Date of Signature